


<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. <b>199866US2CRL</b>
First Inventor or Application Identifier <b>Andrew J. S. DS, et al.</b>		<div style="display: flex; align-items: center; justify-content: center;"><div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;">U.S. PTO</div><div style="text-align: center;"><div style="display: flex; flex-direction: column; align-items: center;"><div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;">U.S. PTO</div><div style="font-size: x-large; font-weight: bold;">09/13/24</div><div style="font-size: small;">6/00</div></div></div></div>
Title <b>A PHOTON SOURCE</b>		

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

☒ **Fee Transmittal Form (e.g. PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)

☒ **Specification**      Total Sheets **57**

☒ **Drawing(s) (35 U.S.C. 113)**      Total Sheets **29**

☐ **Oath or Declaration**      Total Pages

☐ Newly executed (original or copy)

☐ Copy from a prior application (37 C.F.R. §1.63(d))  
(for continuation / divisional w/ box 16 completed)

☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §1.63(d)(2) and 1.33(b).

☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**

☐ **Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)**

☐ Computer Readable Form (CRF)

Specification or Sequence Listing on:

☐ CD-ROM or CD-R (2 copies); or

☐ Paper

☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

☐ Assignment Papers (cover sheet & document(s))

☐ Application Data Sheet. See 37 CFR 1.76

☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)

☐ English Translation Document (if applicable)

☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

☐ Preliminary Amendment

☒ White Advance Serial No. Postcard

☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

☐ Applicant claims small entity status.  
See 37 CFR 1.27

☒ **Other:** Notice of Priority, List of Inventors' Names and Addresses

**16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:**

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)

of prior application no.:

Prior application information:      Examiner:      Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.


**17. Amend the specification by inserting before the first line the sentence:**

☐ This application is a ☐ Continuation    ☐ Division    ☐ Continuation-in-part (CIP)

of application Serial No.      Filed on

☐ This application claims priority of provisional application Serial No.      Filed


**18. CORRESPONDENCE ADDRESS**



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Docket No. 199866US2CRL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Andrew J. SHIELDS, et al.

SERIAL NO: New Application

FILING DATE: Herewith

FOR: A PHOTON SOURCE

FEE TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	55 - 20 =	35	× \$18 =	\$630.00
INDEPENDENT CLAIMS	8 - 3 =	5	× \$80 =	\$400.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)			+ \$270 =	\$0.00
<input checked="" type="checkbox"/> LATE FILING OF DECLARATION			+ \$130 =	\$130.00
BASIC FEE				\$710.00
TOTAL OF ABOVE CALCULATIONS				\$1,870.00
<input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY				\$0.00
<input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE			+ \$130 =	\$0.00
<input type="checkbox"/> RECORDATION OF ASSIGNMENT			+ \$40 =	\$0.00
TOTAL				\$1,870.00

Please charge Deposit Account No. 15-0030 in the amount of

A duplicate copy of this sheet is enclosed.

A check in the amount of \$1,870.00 to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030.

A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

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Docket No. 199866US2CRL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Andrew J. SHIELDS, et al.

**FILING DATE:** Herewith

FOR: A PHOTON SOURCE

## LIST OF INVENTORS' NAMES AND ADDRESSES

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

**SIR:**

**Listed below are the names and addresses of the inventors for the above-identified patent application.**

Andrew J. SHIELDS

Cambridgeshire, UNITED KINGDOM

Richard A. HOGG

Cambridgeshire, UNITED KINGDOM

**A declaration containing all the necessary information will be submitted at a later date.**

Respectfully Submitted,

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